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NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

PHOOTOGRAPHIC
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REPORT

**ABM-X-3 FLAT TWIN RADAR LAUNCH
COMPLEX F, SARY-SHAGAN MISSILE
TEST CENTER, USSR**

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MARCH 1975

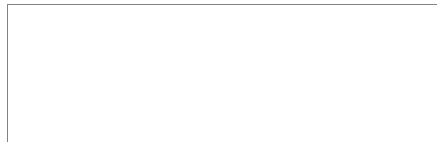
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**ABM-X-3 FLAT TWIN RADAR, LAUNCH COMPLEX F,
SARY-SHAGAN MISSILE TEST CENTER, USSR**

1. The ABM-X-3 FLAT TWIN radar at launch site 4, launch complex F, was disassembled, and either reassembled or possibly replaced by another FLAT TWIN radar [redacted]

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2. The FLAT TWIN radar at launch site 4 was first installed on the radar apron between [redacted] It was observed fully assembled on all photography that covered the site [redacted] Then on photography [redacted] the FLAT TWIN radar at launch site 4 was seen partially disassembled/assembled. It could not be determined if the radar was being disassembled or reassembled. [redacted] a fully assembled FLAT TWIN radar was again seen on the radar apron at launch site 4.

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3. [redacted] the radar contained two forward-mounted, square, probable planar array antennas, each 25 feet long, 25 feet high, and 5 feet thick (Figure 1). An additional panel, [redacted], was attached to the face of the left forward planar surface. Two rear panels, [redacted] were also part of the radar. They were each constructed from three sections [redacted] Their function has not been identified. Forward and rear components of the radar were supported by two large parallel arms which were supported by a large central column. The radar could be rotated 360 degrees in azimuth and could be sighted to at least small angles above the horizon.

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4. When launch site 4 was seen on photography [redacted] both probable planar array antennas had been removed from the FLAT TWIN radar (Figure 2). Only a probable mounting structure was observed on the front of the radar. This structure joins the radar's two parallel support arms and is probably a mechanical mount for the two 25- by 25-foot antennas which were not

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5. Both [redacted] rear panels were also missing from the radar. Neither the large planar array antennas nor the smaller panels were observed at the radar site, indicating they were probably loaded on several of the 12, FLAT TWIN antenna transport trailers seen at launch site 4 [redacted]. These trailers, or ones similar to them, are normally observed in a storage area at launch site 1, launch complex A [redacted]

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6. The radar's two parallel support arms were attached to, and supported by, a central column. The right support arm was fully intact, but the upper part of the left arm appeared to be missing. The upper [redacted] of the support arm was possibly resting on a flatbed trailer nearby. A mobile crane was working between the flatbed trailer and the radar [redacted]

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7. [redacted] an ABM-X-3 FLAT TWIN radar, which appeared to be fully assembled, was seen on the radar apron at launch site 4 (Figure 3). The radar could not be distinguished from the FLAT TWIN radar observed there before [redacted] [redacted] was of medium resolution and showed only a back view of the radar, it was not possible to determine if any change had occurred to the face of the radar. Also, on the [redacted] coverage, FLAT TWIN antenna transport trailers were no longer present at launch site 4. However, they were again present at launch complex A where FLAT TWIN antenna transport trailers have previously been stored.

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8. Another FLAT TWIN radar, similar but not identical to the launch site 4 FLAT TWIN, has been seen at launch site 2, launch complex F since January 1971. There were no changes to the launch site 2 radar [redacted] and no indications that it would be removed.

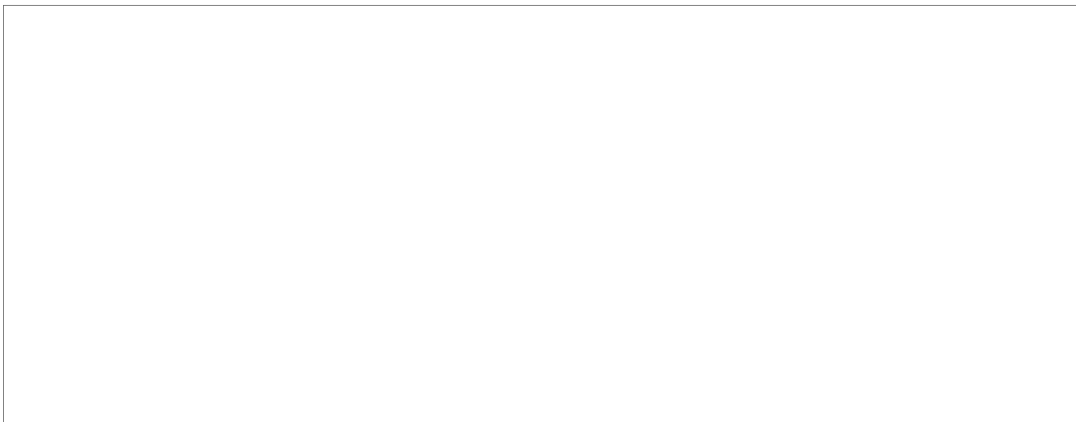
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REFERENCES



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MAPS OR CHARTS

ACIC. US Air Target Chart, Series 200, Sheets 0245-9 and 14, scale 1:200,000 (SECRET)

REQUIREMENT

Project 120902NA



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